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(71) 出願人 595114768

オクダマーク株式会社

大阪府大阪市都島区中野町4丁目19番15号

(72) 発明者 奥田 忠士

大阪府大阪市都島区中野町4丁目19番15号

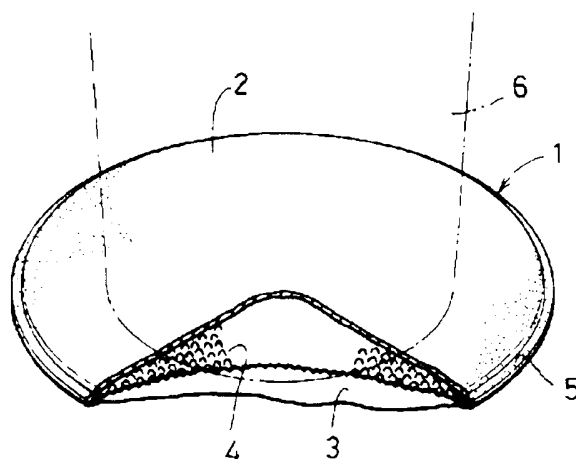
(74) 代理人 弁理士 鎌田 文二 (外2名)

(54) 【発明の名称】 コースター

(57) 【要約】

【課題】 コースター上のコップ等を持ち上げてもコップ等と共に持ち上がることを防止するコースターを提供することである。

【解決手段】 複数の層から構成されており、その表層2には表面に繊維素りが密集した繊維生地が用いられ、その裏層3には樹脂シートが用いられ、その間に、表層2側の面にその面全体にわたって多数の凸部が形成された樹脂シートからなる中間層4を介在させ、裏層3の裏面はつや出し加工がなされている。



【特許請求の範囲】

【請求項1】 複数の層から構成されており、その表層には表面に繊維素が密集した繊維生地が用いられ、その裏層には樹脂シートが用いられ、その間に、前記表層側の面にその面全体にわたって多数の凸部が形成された樹脂シートからなる中間層を介在させ、前記裏層の裏面はつや出し加工がなされているコースター。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】この発明は、コップ等を数回、複数の層からなるコースターに関する。

【0002】

【従来の技術】従来、コースターとして、所定の大きさの紙製、木製、プラスチック製等の平板が用いられている。

【0003】

【発明が解決しようとする課題】しかしながら、上記のコースターを冷えた飲み物が入ったコップ等の数皿として用いた場合、こぼれた上記飲み物やコップ等につく水滴等がコップ等と上記コースターとの間に入るため、コップを持ち上げたときにコースターと一緒に持ち上がりやすい。また、上記コースター上にこぼれた飲み物等が、コースターやテーブルをつたって、洋服等にこぼれ、洋服等をよごすことがある。さらに、上記コースターの材質によっては、テーブル上を滑りやすいため、コースターがコップと共にテーブルより落下する危険性がある。

【0004】そこで、この発明の課題は、冷えた飲み物が入ったコップ等を載せた場合でも、上記飲み物等によってコップ等と一緒に持ち上がることや、洋服等をよごすことがなく、テーブルとの密着性のよいコースターを提供することにある。

【0005】

【課題を解決するための手段】上記の課題を解決するため、この発明のコースターは、複数の層によって形成されており、その表層には表面に繊維素が密集した繊維生地が用いられ、その裏層には樹脂シートが用いられ、その間に、前記表層側の面にその面全体にわたって多数の凸部が形成された樹脂シートからなる中間層を介在させ、前記裏層の裏面はつや出し加工がなされている構成を採用したのである。

【0006】前記コースターの表層には表面に繊維素が密集した繊維生地が用いられているので、繊維素の存在に

られているので、前記コースター上にこぼれた上記飲み物等は、表層に吸収され、中間層の多数の凸部間に形成される凹部に保持される。この凹部に保持された上記飲み物等は、表層と接していないので表層に戻ることはなく、表層の表面上に上記飲み物等がしみ出ることがない。このため、コースター表面を乾燥状態で保持することができるので、洋服等をよごすことがない。更に、表層の表面上に上記飲み物等がしみ出さないため、表層の繊維素が上記飲み物等によって前記表層の生地自体に密着することを防止でき、これに伴い、前記コップ等と前記コースターが密着して、コップ等を持ち上げたとき、一緒にコースターが持ち上がることを防ぐことができる。

【0008】更にまた、前記コースターの裏層の裏面はつや出し加工が施されているので裏面の平滑性が高く、テーブルに載せたときに前記コースターと前記テーブルとの接触面積が増加するために密着性が増し、両者間の介在空気を排除する。このため、前記コースターが前記テーブル上を移動しにくくなり、コースターがテーブルより落下することを防止することができる。

【0009】

【発明の実施の形態】以下、この発明の実施の形態を添付図面を参照して説明する。

【0010】[41]に示すように、コースター1は複数の層から構成されている。その表層2には表面に繊維素9が密集した繊維生地が用いられている。このような繊維生地としては、フェルトのように繊維をからみ合わせて圧縮することにより、表面に密集した繊維素が存在するものや、起毛布のように織物生地や編物生地に起毛処理を施して表面に密集した繊維素を形成したものがあげられる。また、それらの生地に用いられる繊維としては、例としては、ポリエステル等の合成繊維や、天然繊維等があげられる。

【0011】コースター1の裏層3には樹脂シートが用いられており、その裏面はつや出し加工がなされている。前記裏面はつや出し加工がなされていることにより、前記裏面の平滑性を高めることができ、テーブルとの接触面積を増大させることができる。このため、密着性が増し、両者間の介在空気が排除されるため、コースター等がテーブルから移動しにくくなる。裏層3に用いられる樹脂シートとしては、特に限定されないが、つや出し加工により平滑性が増加するレーンが好ましく、その樹脂の例としては、ビニル系樹脂等があげられる。

【0012】この中間層4の裏面はつや出し加工がなされてい

る。この中間層4の裏面はつや出し加工がなされていることにより、前記裏面の平滑性を高めることができ、テーブルとの接触面積を増大させることができる。

【0007】また、中間層は前記表層側の面にその面全体にわたって多数の凸部が形成された樹脂シートからなる。

る。この中間層4の裏面はつや出し加工がなされていることにより、前記裏面の平滑性を高めることができ、テーブルとの接触面積を増大させることができる。

【0013】表層2と裏層3の間に、表層2側の面にその面全体にわたって多数の凸部が形成された樹脂シート

トからなる中間層4を介在させる。この中間層4の凸部7同士の間は凹部8が形成されるので、表面からしみ込んできた飲み物等をここで保持することができる。この凹部8に保持された上記飲み物等は、その量が凹部8一杯にならない限り表層2と接することはないので、表層2にしみ込むで戻ることではなく、表層の表面上に上記飲み物等がしみ出ることがない。このため、コースター上にこぼした飲み物等で洋服等をよごすことはなく、また、コースター上のコップ等を持ち上げても、コップとコースターの間に飲み物等が介在しないのでコップ等と共にコースターが持ち上がることを防ぐことができる。中間層4に用いられる樹脂としては特に限定されるものではないが、例えばビニル系樹脂等があげられる。

【0011】前記表層2、裏層3及び中間層4は、いろいろな方法で接合することができる。例えば、接合部分を接着剤で接合することができ、また、表層2、裏層3及び中間層4に用いられた材料が互いに融着するから、高周波溶接等によって融着することができる。

【0015】

【発明の効果】この発明によれば、前記コースターの表層に表面に繊維素が密集した繊維生地が用いられているので、前記コースターとコップ等の密着を防止でき、その間にこぼれた飲み物や水滴等が介在しても、コップ等を持ち上げてもコップ等と共にコースターが持ち上がることを防止できる。また、中間層に多数の凸部が形成された樹脂シートが用いられているので、前記コースター上にこぼれた上記飲み物等は、吸収され上記凸部間に形成される凹部に保持されて表層に戻ることはないので、コースター表面を乾燥状態で保持することができ、洋服

等をよごすことがない。また、表層の表面上に上記飲み物等がしみ出さないで、表層の繊維素が上記飲み物等によって前記表層の生地自体に密着することを防止でき、これに伴い、前記コップ等と前記コースターが密着して、コップ等を持ち上げたとき、一緒にコースターが持ち上がることを防ぐことができる。

【0016】さらに、前記コースターの裏層の裏面はつや出し加工が施されているので、前記コースターとテーブルとの密着性を高められ、前記コースターがテーブル上を移動しにくくなる。

【0017】さらにまた、前記コースターの表層は表面に繊維素が密集した繊維生地を用い、中間層や裏層に樹脂シートを用いるので、前記コースターの厚みを薄くすることができ、使用して濡れても、容易に乾燥させることができる。

【図面の簡単な説明】

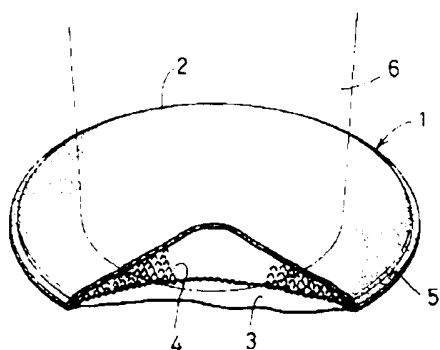
【図1】この発明に係るコースターの（実施例を示す一部切欠き斜視図）

【図2】同上の断面図

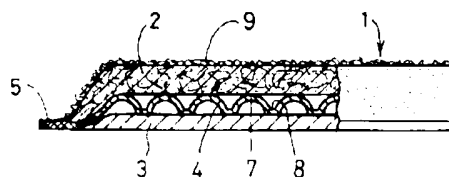
【符号の説明】

- 1 コースター
- 2 表層
- 3 裏層
- 4 中間層
- 5 接合部
- 6 コップ
- 7 凸部
- 8 凹部
- 9 繊維素

【図1】



【図2】



COASTER

Patent Number: JP9047347
Publication date: 1997-02-18
Inventor(s): OKUDA TADASHI
Applicant(s):: OKUDA MARK KK
Requested Patent: ☐ JP9047347
Application Number: JP19950202981 19950809
Priority Number(s):
IPC Classification: A47G23/032
EC Classification:
Equivalents:

Abstract

PROBLEM TO BE SOLVED: To provide a coaster which is prevented from being hung up together with a glass, etc., on the coaster even when the glass, etc., is picked up.
SOLUTION: This coaster is composed of plural layers, fiber fabric tightly gathering fibrins on the surface is used for a front layer 2, and a resin sheet is used for a rear layer 3. Between those layers, an intermediate layer 4 composed of a resin sheet forming a lot of projecting parts on its entire surface is interposed on the surface on the side of the front layer 2, and polishing working is exerted upon the rear surface of the rear layer 3.

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PATENT ABSTRACTS OF JAPAN

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(71)Applicant : OKUDA MARK KK

(22)Date of filing : 09.08.1995

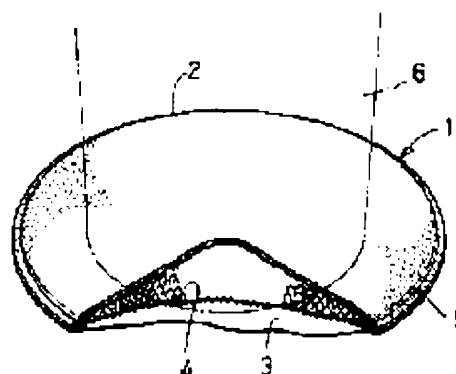
(72)Inventor : OKUDA TADASHI

(54) COASTER

(57)Abstract:

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SOLUTION: This coaster is composed of plural layers, fiber fabric tightly gathering fibrins on the surface is used for a front layer 2, and a resin sheet is used for a rear layer 3. Between those layers, an intermediate layer 4 composed of a resin sheet forming a lot of projecting parts on its entire surface is interposed on the surface on the side of the front layer 2, and polishing working is exerted upon the rear surface of the rear layer 3.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] The rear face of the aforementioned lining is a coaster with which consist of two or more layers, the fiber ground with which fibrin crowded on the front face is used for the cortex, a resin sheet is used for the lining, the interlayer who consists of a resin sheet with which many heightss were formed in the whole field between them covering the field by the side of the aforementioned cortex is made to intervene, and the glazing manipulation is made.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[The technical field to which invention belongs] This invention relates to the coaster which covers with a cop etc. and which consists of two or more layers.

[0002]

[Description of the Prior Art] Conventionally, plates, such as a product made from ~~pap~~ of a predetermined size, wooden, and a product made from plastics, are used as a coaster.

[0003]

[Problem(s) to be Solved by the Invention] However, when the above-mentioned coaster is used as ****s, such as a cop containing the cold drink, in order that the waterdrop attached to the above-mentioned drink which fell, a cop, etc. may enter between a cop etc. and the above-mentioned coaster, when a cop is lifted, a coaster tends to be lifted together. Moreover, the drink which fell on the above-mentioned coaster falls a coaster and a table on *****, clothes, etc., and may soil clothes etc. Furthermore, according to the quality of the material of the above-mentioned coaster, since it is easy to slide on a table top, there is a risk of a coaster falling from a table with a cop.

[0004] Then, the technical problem of this invention is not to soil clothes etc. and offer [being raised together with a cop etc. with the above-mentioned drink etc., or] the coaster with the sufficient adhesion with a table, even when the cop containing the cold drink etc. is carried.

FIG. 1

FIG. 2

with which fibrin crowded on the front face is used for the cortex, and a resin sheet is used for the lining. in the meantime The interlayer who consists of a resin sheet with which many heightss were formed in the whole field covering the field by the side of the aforementioned cortex was made to intervene, and the rear face of the aforementioned lining adopted the configuration with which the glazing manipulation is made.

[0006] Since the fiber ground in which fibrin crowded on the front face was used for the cortex of the aforementioned coaster, even if the waterdrop attached to the above-mentioned drink which a cop etc. did not stick to the aforementioned fiber ground itself by presence of fibrin, and fell, a cop, etc. entered between the aforementioned cop etc. and the aforementioned coaster, when a cop etc. is lifted, it can prevent lifting a coaster together.

[0007] Moreover, since the resin sheet with which many heightss were formed in the whole field covering the field by the side of the aforementioned cortex is used for the interlayer, the above-mentioned drink which fell on the aforementioned coaster is absorbed by the cortex, and is held at the concavity formed between many interlayers' heightss. Since the above-mentioned drink held at this concavity is not in contact with a cortex, it does not return to a cortex and the above-mentioned drink etc. does not ooze out on a surface front face. For this reason, since a coaster front face can be held by the dryness, clothes etc. are not soiled. Furthermore, since the above-mentioned drink etc. did not ooze out on the surface front face, when it can prevent that surface fibrin sticks to the ground of the aforementioned cortex itself with the above-mentioned drink etc., the aforementioned cop etc. and the aforementioned oaster stick in connection with this and a cop etc. is lifted, it can prevent lifting a coaster together.

[0008] Furthermore, again, when the rear face of the lining of the aforementioned coaster has high smooth nature on the back since the glazing manipulation was given, and it is put on a table, in order that the touch area of the aforementioned coaster and the aforementioned table may increase, adhesion eliminates the mediation air between increase and both. For this reason, it can prevent that the aforementioned coaster seldom comes to move the aforementioned table top, and a coaster falls from a table.

[0009]

[Embodiments of the Invention] Hereafter, the gestalt of implementation of this invention is explained with reference to an accompanying drawying.

[0010] As shown in Drawing 1, the coaster 1 consists of two or more layers. Are used by the fiber ground in which fibrin 9 crowded, and it is in a front face at the cortex 2. That in which the fibrin which crowded in the front face exists, and the thing in which the fibrin which performed piloerection processing to the textile ground or the knitting ground like a piloerection cloth, and crowded in the front face was formed are raised by making fiber become entangled like the felt and compressing as such fiber ground. Moreover, as fiber used for those grounds, synthetic fibers, such as polyester, a natural fiber, etc. are raised as an example.

[0011] The resin sheet is used for the lining 3 of a coaster 1, and, as for the rear face, the

and the touch area with a table can be increased. For this reason, since the aforementioned

between the increase of adhesion and both is eliminated, it is hard coming to move a coaster etc. from a table. Especially as a resin sheet used for a lining 3, although not limited, the sheet which smooth nature may increase by glazing manipulation is desirable, and a vinyl system resin etc. is raised as an example of the resin.

[0012] A glazing manipulation of the rear face of this lining 3 can be performed by general technique. For example, what is necessary is to make a smooth calendering roll into the temperature more than the softening point of the quality of the material of the aforementioned lining 3, and just to make the roll pass the resin sheet of a rear face 3 at the rate of predetermined.

[0013] The interlayer 4 who consists of a resin sheet with which many heightss 7 were formed in the whole field over the cortex 2 and the lining 3 is made to intervene between the fields by the side of a cortex 2. Since a concavity 8 is formed between this interlayer's 4 heights 7 comrades, the drink which has sunk in from a front face can be held here. Since the above-mentioned drink held at this concavity 8 does not touch a cortex 2 unless the amount fills a concavity 8, it does not sink in and return to a cortex 2 and the above-mentioned drink etc. does not ooze out on a surface front face. For this reason, since a drink etc. does not intervene between a cop and a coaster even if it does not soil clothes etc. with the drink spilt on the coaster and it lifts the cop on a coaster etc., it can prevent lifting a coaster with a cop etc. Although not limited especially as a resin used for an interlayer 4, a vinyl system resin etc. is raised, for example.

[0014] The aforementioned cortex 2, the lining 3, and the interlayer 4 are joinable by various technique. For example, if the material which can join a part for a joint 5 with adhesives, and was used for the cortex 2, the lining 3, and the interlayer 4 welds mutually, it can weld by the high frequency welding etc.

[0015]

[Effect of the Invention] Since the fiber ground in which fibrin crowded on the front face is used for the cortex of the aforementioned coaster according to this invention, adhesion of the aforementioned coaster, a cop, etc. can be prevented, and even if a drink, waterdrop, etc. which fell in the meantime intervene and it lifts a cop etc., it can prevent that a coaster is lifted with a cop etc. Moreover, since the above-mentioned drink which fell on the aforementioned coaster since the resin sheet with which many heightss were formed was used for the interlayer is held at the concavity which is absorbed and is formed between the above-mentioned heightss and does not return to a cortex, it can hold a coaster front face by the dryness, and does not soil clothes etc. Moreover, since the above-mentioned drink etc. did not ooze out on the surface front face, when it can prevent that surface fibrin sticks to the ground of the aforementioned cortex itself with the above-mentioned drink etc., the aforementioned cop etc. and the aforementioned coaster stick in connection with this and a cop etc. is lifted, it can prevent lifting a coaster together.

[0016] Furthermore, since the glazing manipulation is given, the rear face of the lining of the aforementioned coaster has the adhesion of the aforementioned coaster and a table

aforementioned coaster then and even if it rises it and it does well, it can be made to lift

with the sufficient adhesion with a table, even when the cop containing the cold drink etc. is carried.

MEANS

[Means for Solving the Problem] In order to solve the above-mentioned technical problem, the coaster of this invention It is formed of two or more layers, the fiber ground with which fibrin crowded on the front face is used for the cortex, and a resin sheet is used for the lining. in the meantime The interlayer who consists of a resin sheet with which many heightss were formed in the whole field covering the field by the side of the aforementioned cortex was made to intervene, and the rear face of the aforementioned lining adopted the configuration with which the glazing manipulation is made.

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[0009]

[Embodiments of the Invention] Hereafter, the gestalt of implementation of this invention is explained with reference to an accompanying drawing.

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used for those grounds, synthetic fibers, such as polyester, a natural fiber, etc. are raised as an example.

[0011] The resin sheet is used for the lining 3 of a coaster 1, and, as for the rear face, the glazing manipulation is made. By carrying out the glazing manipulation of the aforementioned rear face, the smooth nature of the aforementioned rear face can be raised and the touch area with a table can be increased. For this reason, since the mediation air between the increase of adhesion and both is eliminated, it is hard coming to move a coaster etc. from a table. Especially as a resin sheet used for a lining 3, although not limited, the sheet which smooth nature may increase by glazing manipulation is desirable, and a vinyl system resin etc. is raised as an example of the resin.

[0012] A glazing manipulation of the rear face of this lining 3 can be performed by general technique. For example, what is necessary is to make a smooth calendering roll into the temperature more than the softening point of the quality of the material of the aforementioned lining 3, and just to make the roll pass the resin sheet of a rear face 3 at the rate of predetermined.

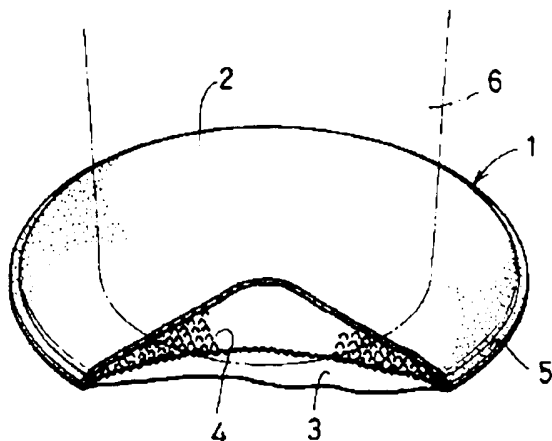
[0013] The interlayer 4 who consists of a resin sheet with which many heightss 7 were formed in the whole field over the cortex 2 and the lining 3 is made to intervene between the fields by the side of a cortex 2. Since a concavity 8 is formed between this interlayer's 4 heights 7 comrades, the drink which has sunk in from a front face can be held here. Since the above-mentioned drink held at this concavity 8 does not touch a cortex 2 unless the amount fills a concavity 8, it does not sink in and return to a cortex 2 and the above-mentioned drink etc. does not ooze out on a surface front face. For this reason, since a drink etc. does not intervene between a cop and a coaster even if it does not soil clothes etc. with the drink spilt on the coaster and it lifts the cop on a coaster etc., it can prevent lifting a coaster with a cop etc. Although not limited especially as a resin used for an interlayer 4, a vinyl system resin etc. is raised, for example.

[0014] The aforementioned cortex 2, the lining 3, and the interlayer 4 are joinable by various technique. For example, if the material which can join a part for a joint 5 with adhesives, and was used for the cortex 2, the lining 3, and the interlayer 4 welds mutually, it can weld by the high frequency welding etc.

DESCRIPTION OF DRAWINGS

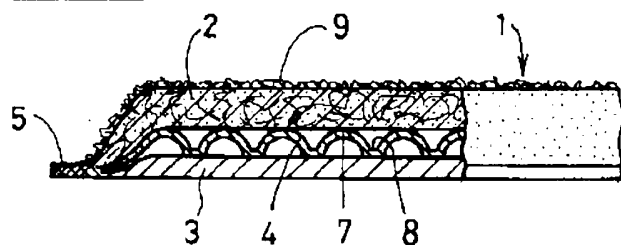
[Brief Description of the Drawings]

Drawing 1



One example of the coaster concerning this invention is shown -- a part -- a notch perspective diagram

Drawing 2



A cross section same as the above

[Description of Notations]

- 1 Coaster
- 2 Cortex
- 3 Lining
- 4 Interlayer
- 5 Joint
- 6 Cop
- 7 Heights
- 8 Concavity
- 9 Fibrin